

ABSTRACT OF THE DISCLOSURE

A first and a second sensor array 21 and 22 arranged at the approximate image forming plane of a pair of optical systems, and a third sensor array 23 arranged 5 at a spacing h from the first and second sensor arrays 21 and 22. The image interval X is corrected to a standard image interval $K=X (1-\tan\theta/\tan(\psi+\theta))$ when the object image intersects the optical base length R_0 via the object image inclination $\psi=\tan^{-1} (h/z)$ calculated from the image 10 forming positions of the object images T_1 and T_2 detected by the sensor arrays 21 and 22, and the dislocation angle θ formed by the sensor and the optical system detected after assembling the device.